

SUBSTITUTE FORM PTO-1449 (MODIFIED) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 CFR 1.98(b))	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 52075USA5A (10102/001001)	SERIAL NO. 09/262,628
		APPLICANT Gerold Horn et al.	RECEIVED GROUP APR 1 1999 GROUP 1700
		FILING DATE March 4, 1999	

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
73	AA	3 5 0 4 4 3 8	04/07/70	Whittman et al.	32	14	
	AB	3 5 2 7 7 3 7	09/08/70	Masuhara et al.	260	78.5	
	AC	3 5 8 9 0 1 0	06/05/68	Taniguchi	32	2	
	AD	3 7 6 5 0 9 1	10/16/73	Northcutt	32	14 A	
	AE	3 7 7 5 8 5 0	12/04/73	Northcutt	32	14 A	
	AF	3 8 2 9 9 7 3	08/20/74	Masuhara et al.	32	15	
	AG	3 8 8 9 3 7 4	06/17/75	Saffir	32	2	
	AH	3 9 2 2 7 8 7	12/02/75	Fischer et al.	32	14 A	
	AI	3 9 3 0 3 1 1	01/06/76	Andrews	32	14 A	
	AJ	3 9 6 4 1 6 5	06/22/76	Stahl	32	14 A	
	AK	4 0 5 0 1 5 6	09/27/77	Chasanoff et al.	32	2	
	AL	4 0 6 4 3 1 1	12/20/77	McLean et al.	428	434	

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
73	AM	1113722	15 MAY 1968	UK				
	AN	EP 211408	25 FEB 1987	EPO				
	AO	WO 97/07151	27 FEB 1997	PCT				
	AP	WO 97/07171	27 FEB 1997	PCT				
	AQ	WO 98/17694	30 APR 1998	PCT				
	AR	JP 5-246951	24 SEP 1993	JAPAN			X	
	AS	JP 61220646	30 SEP 1986	JAPAN				Abstract
	AT	JP 07089821-A	04 APR 1995	JAPAN				Abstract

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

AU	3M ket P-84 PCIFE Product Literature, 5 pages.
AV	

EXAMINER

DATE CONSIDERED

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				FILING DATE March 4, 1999									
U.S. PATENT DOCUMENTS													
EXAMINER INITIAL		PATENT NUMBER						ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
<div style="font-size: 2em; font-weight: bold;">73</div>	BA	4	0	8	0	3	5	7	03/21/78	Gergen et al.	260	42.18	
	BB	4	0	8	8	6	2	7	05/09/78	Gergen et al.	260	42.18	
	BC	4	1	0	7	1	3	1	08/15/78	Gergen et al.	260	40 TN	
	BD	4	1	1	1	8	9	4	09/05/78	Gergen et al.	260	40 R	
	BE	4	1	1	1	8	9	5	09/05/78	Gergen et al.	260	42.18	
	BF	4	1	8	0	9	1	1	01/01/80	Bullock	433	9	
	BG	4	2	0	4	3	2	5	05/27/80	Kaelble	433	9	
	BH	4	2	2	2	1	2	8	09/16/80	Tomonaga et al.	3	1.9	
	BI	4	4	1	3	0	9	4	11/01/83	Aufdermarsh, Jr.	525	187	
	BJ	4	4	3	1	4	2	0	02/14/84	Adair	433	199	
	BK	4	4	5	1	2	3	5	05/29/84	Okuda et al.	433	201	
	BL	4	6	6	8	1	9	3	05/26/87	Burgess et al.	433	222.1	
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION													
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<div style="font-size: 2em; font-weight: bold;">73</div>	BM	WO 95/22567						24 AUG 1995	PCT				
	BN												
	BO												
	BP												
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)													
<div style="font-size: 2em; font-weight: bold;">73</div>	BQ	ASM Engineered Matls. Reference Book, "Fluoroplastics," pgs. 298-299 (1989).											
<div style="font-size: 2em; font-weight: bold;">73</div>	BR	ASTM Test Method D 1003 - 92, "Standard Test Method for Haze and Luminous Transmittance of Transparent Plastics," pgs. 235-239 (1992).											
<div style="font-size: 2em; font-weight: bold;">73</div>	BS	ASTM Test Method E 308 - 95, "Standard Practice for Computing the Colors of Objects by Using the CIE System," pgs. 253-283 (1995).											
EXAMINER Fm Bc									DATE CONSIDERED 4/15/01				
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Substitute Disclosure Form (PTO-1449)

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
73	CA	4 7 1 2 9 9 9	12/15/87	Rosenberg	433	8	
	CB	4 7 1 7 3 4 1	01/05/88	Goldberg et al.	433	9	
	CC	4 7 4 6 6 8 5	05/24/88	Masuhara et al.	522	13	
	CD	4 8 5 0 8 6 5	07/25/89	Napolitano	433	8	
	CE	4 8 6 3 9 7 4	09/05/89	Mallouk et al.	521	85	
	CF	4 8 6 7 6 7 9	09/19/89	Rackley	433	15	
	CG	4 8 7 7 4 0 2	10/31/89	Hirabayashi et al.	433	218	
	CH	4 9 2 0 1 8 8	04/24/90	Sakashita et al.	526	196	
	CI	4 9 4 8 3 6 6	08/14/90	Horn et al.	433	9	
	CJ	4 9 5 4 0 8 0	09/04/90	Kelly et al.	433	8	
	CK	4 9 8 5 5 1 6	01/15/91	Sakashita et al.	526	196	

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
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	CL							
	CM							
	CN							
	CO							
	CP							

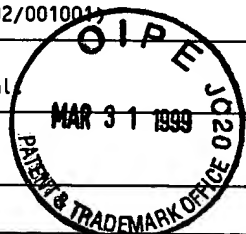
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	CQ	Concise Encyclopedia of Polymer Science and Engineering, pgs. 1167-1175, 1273-1275 and 1279-1281.
73	CR	Imai et al., "Importance of Polymerization Initiator Systems and Interfacial Initiation of Polymerization in Adhesive Bonding of Resin to Dentin," J. Dent. Res., 70(7):1088-1091, July 1991.
73	CS	Kirk-Othmer, <u>Encyclopedia of Chemical Technology</u> , Vol. 11, pgs. 621-624, 644, 650-651, 657, 660, 671-672, 677, 683, 686, 694, 712-713, 719, 722, Fourth Edition (1992).

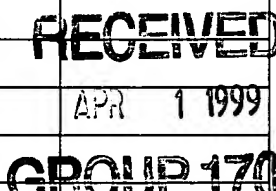
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<i>[Signature]</i>	4/15/91

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U.S. PATENT DOCUMENTS													
EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
73	DA	5	0	0	8	1	3	5	04/16/91	Giordano et al.	427	386	
	DB	5	0	3	5	6	2	1	07/30/91	Gottschalk et al.	433	226	
	DC	5	1	2	3	8	4	4	06/23/92	Wakai et al.	433	201.1	
	DD	5	1	2	8	1	2	2	07/07/92	Cerami et al.	424	49	
	DE	5	1	6	4	1	8	7	11/17/92	Constantz et al.	424	423	
	DF	5	1	8	3	4	0	3	02/02/93	Masuhara et al.	433	9	
	DG	5	2	5	4	0	0	2	10/19/93	Reher et al.	433	8	
	DH	5	2	6	4	2	1	5	11/23/93	Nakabayashi et al.	424	423	
	DI	5	2	7	9	8	3	1	01/18/94	Constantz et al.	424	423	
	DJ	5	3	1	0	8	3	5	05/10/94	Skoultschi et al.	526	198	
	DK	5	3	1	7	0	7	4	05/31/94	Hammar et al.	528	44	
	DL	5	3	2	2	6	1	3	06/21/94	Ohira	205	50	



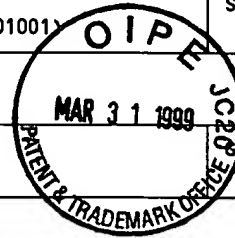
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							YES	NO
	DM							
	DN							
	DO							
	DP							

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)		
DQ		Ausimont USA, Inc., Product Literature: "HALAR-EGLEE," pgs. 1-19
DR		Ausimont USA, Inc., Product Literature: "NYFLOX-PFA," 5 pages
DS		DuPont, Product Literature: "NYFLOX AF," 3 pages

EXAMINER <i>73 BE</i>	DATE CONSIDERED <i>4/15/91</i>
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
73	EA	5 3 3 8 7 7 3	08/16/94	Lu et al.	523	116	
	EB	5 3 5 4 1 9 9	10/11/94	Jacobs et al.	433	9	
	EC	5 4 2 7 8 3 1	06/27/95	Stevens	428	36.2	
	ED	5 4 4 3 5 1 1	08/22/95	Ogawa et al.	623	16	
	EE	5 4 5 4 7 1 6	10/03/95	Banerjee et al.	433	20	
	EF	5 5 3 9 0 7 0	07/23/96	Zharov et al.	526	198	
	EG	5 5 5 8 5 1 6	09/24/96	Horn et al.	433		
	EH	5 6 1 6 7 9 6	04/01/97	Pocius et al.	564	9	
	EI	5 6 8 1 9 1 0	10/28/97	Pocius	526	198	
	EJ	5 5 9 7 3 0 2	1/28/97	Pospisil et al.	433	8	

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	EM							
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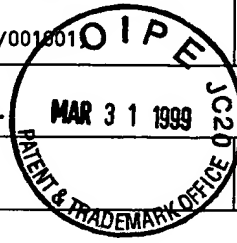
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	EP	DuPont, Product Literature: "Adhesion Information for TEFLON AF," 2 pages.
	EQ	DuPont, Product Literature: "TEFLON AF 1601S," 2 pages.
	ER	DuPont, Product Literature: "TEFLON PFA Properties Handbook," 3 pages.

EXAMINER <i>M B</i>	DATE CONSIDERED 4/15/01
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U.S. PATENT DOCUMENTS

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FA						
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FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
FL							
FM							
FN							
FO							
FP							

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

FQ	DuPont Product Literature: "TEFLON® PFA 340," 3 pages.
FR	DuPont Product Literature: "TEFZEL® 210," 15 pages.
FS	Material Safety Data Sheet, DuPont, "TEFZEL® Fluoropolymer HF2004," 1 page.

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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
GA							
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FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION							
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						YES	NO
GL							
GM							
GN							
GO							
GP							
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
73	GQ	Nakabayashi et al., "Preparation of Hard Tissue Compatible Materials: Dental Polymers," Biomedical Polymers, pgs. 85-111 (1980).					
L	GR	Nakanishi et al., "Visible Light-Curable Tris[(meth)acryloyloxyalkyl] Isocyanurate Compositions," Pharmaceuticals 116:1589862, page 465 (1992).					
	GS	Ozaki et al., "Laser-Raman Spectroscopic Study of the Adhesive Interface Between 4-MET/MMA-TBB Resin and Hydroxyapatite or Bovine Enamel," Dental Materials Journal 10(2):105-120 (1991).					
EXAMINER <i>For GQ</i>				DATE CONSIDERED <i>4/15/01</i>			
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EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	HA						
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FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	HL							
	HM							
	HN							
	HO							
	HP							

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

74	HQ	Rowan et al., "Thermoplastic Fluoropolymers," Engineered Materials Handbook, Vol. 2, pgs. 115-119 (1988).
	HR	
	HS	

EXAMINER	<i>74</i>	DATE CONSIDERED	<i>4/15/01</i>
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Substitute Disclosure Form (PTO-1449)

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OMB No. 0651-0011

INFORMATION DISCLOSURE STATEMENT

Serial No.: 09/262628

Applicant(s): Horn et al.

Filing Date: March 4, 1999

Group: 1713

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

[illegible]

OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)

EXAMINER	Date Considered
<i>7/24/01</i>	<i>4/14/01</i>

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(Also form PTO-1449)

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